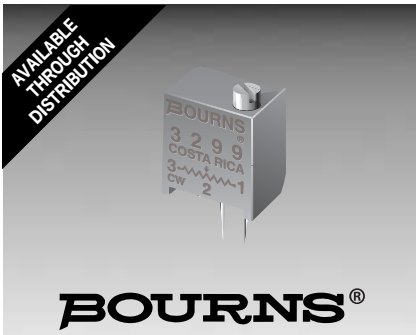


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Features

- 3/8" Square/ Multiturn / Cermet / Industrial / Sealed
- Five popular terminal styles
- Standoffs
- Patent #4427966 drive mechanism

3299 - 3/8" Square Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range 10 to 2 megohms
(see standard resistance table)
Resistance Tolerance±10 % std.
(tighter tolerance available)
Absolute Minimum Resistance 1 % or 2 ohms max.
(whichever is greater)
Contact Resistance Variation 1.0 % or 3 ohms max.
(whichever is greater)
Adjustability
Voltage±0.01 %
Resistance±0.05 %
Resolution Infinite
Insulation Resistance 500 vdc.
1,000 megohms min.
Dielectric Strength
Sea Level 900 vac
70,000 Feet 350 vac
Effective Travel 25 turns nom.

Environmental Characteristics

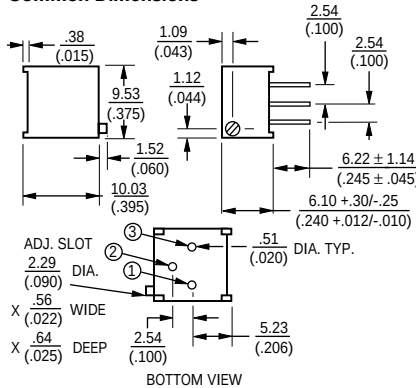
Power Rating (300 volts max.)
70 °C 0.5 watt
125 °C 0 watt
Temperature Range-55 °C to +125 °C
Temperature Coefficient±100 ppm/°C
Seal Test 85 °C Fluorinert*
Humidity MIL-STD-202 Method 103
96 hours
(2 % ΔTR, 10 Megohms IR)
Vibration 20 G (1 % ΔTR; 1 % ΔVR)
Shock 100 G (1 % ΔTR; 1 % ΔVR)
Load Life
.....1,000 hours 0.5 watt @ 70 °C
(3 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)
Rotational Life 200 cycles
(4 % ΔTR; 3 % or 3 ohms, whichever is greater, CRV)

Physical Characteristics

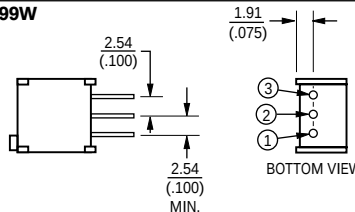
Torque 3.0 oz-in. max.
Mechanical Stops Wiper idles
Terminals Solderable pins
Weight 0.035 oz.
Marking Manufacturer's
trademark, resistance code,
wiring diagram, date code,
manufacturer's model
number and style
Wiper 50 %
Flammability U.L. 94V-0
Standard Packaging 50 pcs. per tube
Adjustment Tool H-90

3299P

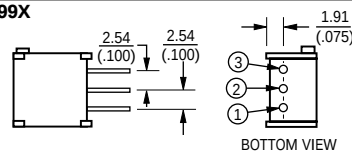
Common Dimensions



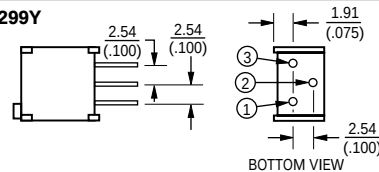
3299W



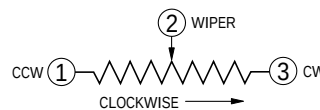
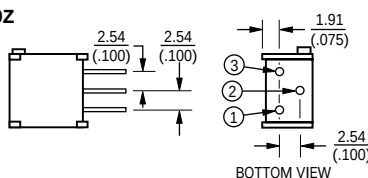
3299X



3299Y



3299Z



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: $\frac{\text{MM}}{(\text{INCHES})}$

Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105
2,000,000	205

Popular distribution resistance values listed in boldface. Special resistances available.

How To Order

Model **3299 W - 1 - 103**
 Style _____
 Standard or Modified _____
 Product Indicator _____
 -1 = Standard Product
 Resistance Code _____
 Consult factory for other available options.

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